

THIS TEST REPORT IS VALID UPTO 31.07.2032



**NAGA AGRITECH, Unicorn Nato-CC-3.0 CHAFF CUTTER  
(Electric Motor Operated)**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare

दक्षिणी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Southern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, गार्लदिन्ने-515 731, जिला: अनंतपुर (आं. प्र.)

Tractor Nagar, Garladinne-515 731, District: Anantapur (A.P.)

[An ISO 9001:2015 CERTIFIED INSTITUTE]

PHT/SRFMTTI, ANANTAPUR/2025-26/ 02/02/1904	NAGA AGRITECH, UnicornNato-CC-3.0 CHAFF CUTTER (Electric Motor Operated) THIS REPORT IS VALID UPTO 31.07.2032	COMMERCIAL (ICT)
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Manufacturer : M/s. Sichuan Xudong Machinery Manufacture  
Co., Ltd  
No.106 Xiwang Avenue, Jingyan County,  
Leshan City, Sichuan Province, **China**.

Applicant : M/s. Naga Agritech  
No. 354/8, Kempalinganahalli Service Road,  
Kunigal Bypass, Nelamangala, Nelamangala  
Taluk, Bengaluru Rural, Bengaluru, Karnataka –  
562123.

**NAGA AGRITECH, UnicornNato-CC-3.0 CHAFF CUTTER  
(Electric Motor Operated)**

Report No.: PHT/SRFMTTI, ANANTAPUR/2025-26/02/02/1904

Month: **August**

Year: **2025**



सत्यमेव जयते

**Government of India  
Ministry of Agriculture and Farmers Welfare  
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Tractor Nagar, Garladinne- 515 731, District: Anantapur (A.P.)  
[An ISO 9001:2015 CERTIFIED INSTITUTE]**

Website: <http://srfmtti.dacnet.nic.in/>

E-mail: [fmti-sr@nic.in](mailto:fmti-sr@nic.in)



<b>PHT/SRFMTTI, ANANTAPUR/2025-26/ 02/02/1904</b>	<b>NAGA AGRITECH, UnicornNato-CC-3.0 CHAFF CUTTER (Electric Motor Operated) THIS REPORT IS VALID UPTO 31.07.2032</b>	<b>COMMERCIAL (ICT)</b>
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Type of test : COMMERCIAL(ICT)

Period of test : February, 2025 to March, 2025  
: (A delay of four months was incurred due to non-submission of comments by the applicant)

Test Report No. : PHT/SRFMTTI, ANANTAPUR/2025-26/02/02/1904

Month / Year : August, 2025

- i) The results reported in this report are observed values and no corrections have been applied for atmospheric and site conditions.
- ii) The test sample was selected randomly through virtual mode by institute.
- iii) The results presented in this report do not, in any way, attribute to the durability of the machine.
- iv) This report should not be reproduced in part or full without prior permission of the Director, Southern Region Farm Machinery Training and Testing Institute, Garladinne, Anantapur (A.P.).
- v) This is a report on Commercial Test of Chaff Cutter named "NAGA AGRITECH, UnicornNato-CC-3.0 CHAFF CUTTER (Electric Motor Operated)". This report is valid up to **31.07.2032, Vide Ministry's O.M. No. 13-22/2020-M&T (I&P) dated 12.12.2023.**

#### SELECTED CONVERSIONS

S. No.	Units	Conversion Factor
<b>1</b>	<b>Force</b>	
	1 kgf	9.80665 N
		2.20462 lbf
<b>2</b>	<b>Power</b>	
	1 hp	1.01387 metric hp (Ps)
		745.7 W
	1 Ps	735.5 W
	1 Kw	1.35962 Ps
<b>3</b>	<b>Pressure</b>	
	1 psi	6.895 kPa
	1 kgf/cm <sup>2</sup>	98.067 kPa = 735.56 mm of Hg
	1 bar	100 kPa = 10 N/cm <sup>2</sup>
	1 mm of Hg	1.3332 m-bar



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### 13. SUMMARY OF OBSERVATION, COMMENTS & RECOMMENDATIONS

**13.1** Following modifications/improvements, being safety requirement, are required to be made to develop the chaff cutter as conforming to IS 15542:2005.

**13.1.1** A minimum cautionary notice as per IS 15542:2005 shall be written in vernacular language on a labeling plate.

**13.2** Blade should be marked with size code, Batch code and thickness as per IS 1511:1979 (Reaffirmed 2012).

**13.3** **The following dimensions of chute for electric motor operated chaff cutter are not conforming to the recommendations of Dangerous Machine (Regulation) Rules, 2007 and needs to be looked into.**

S. No.	Description	Observation	Remarks
i)	Provision for changing the angle of placement of trough shall be made.	Not provided	<b>Does not conform</b>
ii)	At the rear side of the trough a support shall be made.	Not provided	<b>Does not conform</b>

**13.4** **Marking /labeling:**

The labeling plate does not reveal all the required information. It is therefore recommended that a suitable labeling plate covering all essential components, interlaid, the following must be provided:

i) Year of manufacturer

**13.5** **Adequacy of literature supplied with the machine:**

User's manual is not provided during the test. However, the same must be brought out in Hindi & other regional languages as per IS 8132:1999 (Reaffirmed 2004) for the guidance of users. The following literature should be provided.


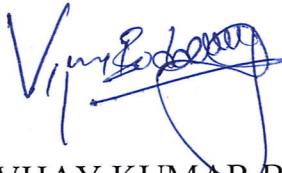


i) Service manual

ii) Parts catalogue



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### TESTING AUTHORITY

 Er. PRAMOD YADAV AGRICULTURAL ENGINEER	 Er. VIJAY KUMAR BADAYA SENIOR AGRICULTURAL ENGINEER
 Dr. P.P.RAO DIRECTOR 	

### 14. APPLICANT'S COMMENTS

Reference No.	Applicant's comments
13.1.1	We will take corrective action in future production.
13.3	A dangerous machine operate with caution will be affixed in the future productions in a visible to bare eyes.
13.4	suitable labeling plate covering with all essential components will be taken care in the future productions along with year of manufacturer will be mentioned in the name plate
13.5	We will take corrective action as per IS standard. we will make the product literature available in all the regional languages in future productions.